

This listing of claims will replace all prior versions, and listings of claims in the application:

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3 the means for moving the selectively activated convex surface in
4 and out of contact with the viewed portions of the tissue sample includes means for moving the
5 convex surface away from a view path from the tissue sample to the objective/eye piece
6 combination.

1 Claim 30 (withdrawn) The combination with a microscope according to
2 claim 28 wherein:

3 the convex surface is transparent.

1 Claim 31 (withdrawn) The combination with a microscope according to
2 claim 28 wherein:

3 the selectively activated convex surface is located at an extremity
4 of a rod;

5 the means for moving the selectively activated convex surface in
6 and out of contact with the viewed portions of the tissue sample includes a pivot attached to the
7 rod remote from the selectively activated convex surface for pivoting the rod into and out of a
8 light path from the tissue sample to the objective/eye piece combination for viewing the tissue
9 sample; and,

10 the means for reorienting the selective activated convex surface
11 includes means for rotating the rod.

1 Claim 32. (withdrawn) The combination with a microscope according to
2 claim 28 wherein:

3 the means for moving the selectively activated convex surface in
4 and out of contact with the viewed portions of the tissue sample includes means for contacting
5 the viewed portions of the tissue sample with a measured pre-load force.

1 Claim 33 (withdrawn) The combination with a microscope according to
2 claim 28 wherein:

3 the selectively activated convex surface is located at an extremity
4 of a rod; and,
5 the rod with its selectively activated convex surface is
6 interchangeable with other similar rods with a selectively activated convex surface.

1 Claim 34 (withdrawn) An attachment for a microscope having a stage for
2 holding a slide with a tissue sample thereon, a light source and condenser for illuminating the
3 tissue sample, and an objective/eyepiece combination for examining viewed portions of the
4 tissue sample;
5 the attachment comprising in combination:
6 a selectively activated convex surface which can be activated to
7 provide selective regions thereof with adhesive properties;
8 means for moving the selectively activated convex surface in and
9 out of contact with the viewed portions of the tissue sample;
10 means for selectively activating portions of the selectively
11 activated convex surface in contact with the tissue sample to form an adhesion region whereby
12 when the adhesion region is out of contact with the tissue sample at least a part of the viewed
13 portions of the tissue sample adhere to the selectively activated convex surface; and,
14 means for reorienting the selectively activated convex surface
15 whereby portions of the selectively activated convex surface which have not been activated are
16 exposed for contact with the tissue sample.

1 Claim 35. (previously presented) In an apparatus for laser laser capture
2 microdissection, a contact surface comprising:
3 a convex surface for placement to a sample;
4 a rod with the convex surface mounted to an extremity of the rod; and,
5 a selectively activated coating placed over the convex surface having non-
6 adhesive properties which can be activated to provide selected regions thereof with adhesive
7 properties when placed to a sample while nonactivated regions thereof remain with the non-
8 adhesive properties.

1 Claim 36. (previously presented) The apparatus for laser capture
2 microdissection according to claim 35 wherein:
3 the convex surface is spherical.

1 Claim 37. (previously presented) The apparatus for laser capture
2 microdissection according to claim 35 wherein:
3 the convex surface is faceted.

1 Claim 38. (previously presented) The apparatus for laser capture
2 microdissection according to claim 35 wherein:
3 the convex surface is cylindrical.

1 Claim 39. (previously presented) The apparatus for laser capture
2 microdissection according to claim 35 wherein:
3 the convex surface has the profile of a frustum.

1 Claim 40. (previously presented) The apparatus for laser capture
2 microdissection according to claim 35 wherein:
3 the rod and convex surface are transparent.

1 Claim 41. (previously presented) In an apparatus for laser capture
2 microdissection, a contact surface and vial comprising:
3 a convex surface;
4 a selectively activated coating placed over the convex surface having non-
5 adhesive properties which can be activated to provide selected regions thereof with adhesive
6 properties when placed to a sample while nonactivated regions thereof remain with the non-
7 adhesive properties;
8 a vial having a dimension for permitting the convex surface to be placed
9 into the vial; and,
10 a fluid in the vial for liberating at least part of the tissue sample adhered to
11 the selectively activated convex surface.

1 Claims 42 to 46 (Cancelled)